CLAIM AMENDMENTS:

1-10 cancelled

11. (cancelled)

12. (cancelled)

13. (previously presented) The method of claim 24, wherein a frequency for switching between the first and the second partial antennas is selected in accordance with dynamics of the radio signal to be sufficiently large such that each of the first and second partial antennas can equally receive similar parts of the radio signal.

14. (cancelled)

15. (previously presented) The antenna system of claim 25, wherein said control means constructs said second partial antenna by operating said first partial antenna along with simultaneous operation of at least one additional antenna element.

16. (previously presented) The antenna system of claim 25, wherein said first partial antenna comprises a first plurality of antenna elements.

17. (previously presented) The antenna system of claim 16, wherein said first plurality of antenna elements are disposed in a first row.

18. (previously presented) The antenna system of claim 17, wherein said second partial antenna comprises a second plurality of antenna elements disposed in a second row.

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19. (previously presented) The antenna system of claim 18, wherein said first and second rows are disposed parallel to each other.

20. (previously presented) The antenna system of claim 18, wherein said first and second rows of antenna elements have a mutual separation of $\lambda/2$.

21. (previously presented) The antenna system of claim 25, wherein the antenna system is a microstrip antenna.

22. (previously presented) A computer program having program code, designed to perform the method of claim 24.

23. (previously presented) A computer program having a program code for control of said evaluation means of the antenna system of claim 25.

24. (currently amended) A method for operating an antenna system having a desired overall directional dependence, the antenna system having a first partial antenna and a second partial antenna, the first and second partial antennas being disposed relative to each other in such a manner that individual directional dependences of the first and second partial antennas at least partially overlap, wherein the first partial antenna has a first antenna signal which represents a radio signal for receiving or transmitting via the first partial antenna, and the second partial antenna has a second antenna signal which represents a radio signal for receiving or transmitting via the second partial antenna, the method comprising the steps of:

a) operating the first partial antenna to transmit and receive first signals, the received first signals having a first broad directional dependence;

b) generating the second partial antenna from the first partial antenna by connecting at least one additional antenna element to the first partial antenna;

[[b)]]c) operating, following step b), the second partial antenna to transmit and receive second signals, the received second signals having a second broad directional dependence with a notch of missing or reduced intensity within a narrow angular region;

[[c)]]d) cyclically alternating execution of steps a) and b)steps a) through c); and

[[d)]]e) subtracting second signals detected in step b)step c) from first signals detected in step a) to generate a third directional dependence which is substantially narrower than both the first directional dependence and the second directional dependence.

25. (currently amended) An antenna system having a desired overall directional dependence, the antenna system having a first partial antenna and a second partial antenna, the first and second partial antennas being disposed relative to each other in such a manner that individual directional dependences of the first and second partial antennas at least partially overlap, wherein the first partial antenna has a first antenna signal which represents a radio signal for receiving or transmitting via the first partial antenna, and the second partial antenna has a second antenna signal which represents a radio signal for receiving or transmitting via the second partial antenna, the antenna system comprising:

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means for operating the first partial antenna to transmit and receive first signals, the received first signals having a first broad directional dependence;

means for generating the second partial antenna from the first partial antenna by connecting at least one additional antenna element to the first partial antenna;

means for operating the second partial antenna to transmit and receive second signals, the received second signals having a second broad directional dependence with a notch of missing or reduced intensity within a narrow angular region;

means for cyclically alternating operation of the first partial antenna operating means and of the second partial antenna operation means; and

means for subtracting second signals detected by the second partial antenna operation means from first signals detected by said first partial antenna operation means to generate a third directional dependence which is substantially narrower than both the first directional dependence and the second directional dependence.